

10/615,516.

CJOK

PTO/SB/21 (08-00)

Approved for use through 10/31/2002. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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## TRANSMITTAL FORM

(to be used for all correspondence after initial filing)

Patent Number	6,928,348
Issue Date	August 9, 2005
Patentee	LIGHTNER et al.
Attorney Docket Number	0307091.0158

Total Number of Pages in This Submission

Certificate  
AUG 29 2005  
of Correction

## ENCLOSURES (check all that apply)

<input checked="" type="checkbox"/> Fee Transmittal Form  <input checked="" type="checkbox"/> Fee Attached  <input type="checkbox"/> Amendment / Response  <input type="checkbox"/> After Final  <input type="checkbox"/> Affidavits/declaration(s)  <input checked="" type="checkbox"/> Request for Certificate of Correction of Patent Under 37 C.F.R. §1.323  <input checked="" type="checkbox"/> Certificate of Correction (Form PTO/SB/44)  <input type="checkbox"/> Information Disclosure Statement  <input type="checkbox"/> Certified Copy of Priority Document(s)  <input type="checkbox"/> Response to Missing Parts/ Incomplete Application  <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Assignment Papers (for an Application)  <input type="checkbox"/> Drawing(s)  <input type="checkbox"/> Declaration of Mailing by Express Mail  <input type="checkbox"/> Petition  <input type="checkbox"/> Petition to Make Special Under 37 C.F.R. § 1.102(d)  <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address  <input type="checkbox"/> Terminal Disclaimer  <input type="checkbox"/> Request for Refund  <input type="checkbox"/> CD, Number of CD(s) _____	<input type="checkbox"/> After Allowance Communication to Group  <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences  <input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief)  <input type="checkbox"/> Proprietary Information  <input type="checkbox"/> Status Letter  <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below):  Return Receipt Postcard
		Remarks

## SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm or Individual name	Stephen C. Glazier (Registration No. 31,361) Kirkpatrick & Lockhart LLP
Signature	
Date	23 Aug 05

## CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on this date: 8-24-05

Typed or printed name	Sadie M. Bone	Date	8-24-05
Signature			

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, PO Box 1450, Alexandria, VA 22313-1450.

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**TRANSMITTAL  
FORM**

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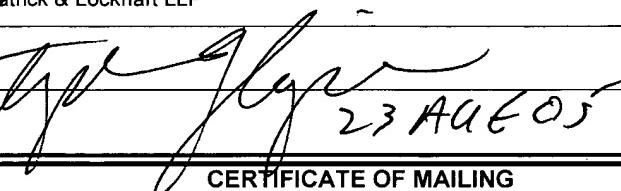
Total Number of Pages in This Submission

Patent Number	6,928,348
Issue Date	August 9, 2005
Patentee	LIGHTNER et al.
Attorney Docket Number	0307091.0158

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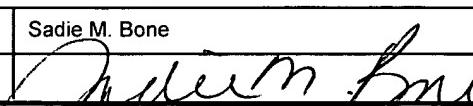
<input checked="" type="checkbox"/> Fee Transmittal Form <input checked="" type="checkbox"/> Fee Attached <input type="checkbox"/> Amendment / Response <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input checked="" type="checkbox"/> Request for Certificate of Correction of Patent Under 37 C.F.R. §1.323 <input checked="" type="checkbox"/> Certificate of Correction (Form PTO/SB/44) <input type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Response to Missing Parts/ Incomplete Application <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Assignment Papers (for an Application) <input type="checkbox"/> Drawing(s) <input type="checkbox"/> Declaration of Mailing by Express Mail <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Make Special Under 37 C.F.R. § 1.102(d) <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) _____	<input type="checkbox"/> After Allowance Communication to Group <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below): <div style="text-align: center;">Return Receipt Postcard</div>
Remarks		

## SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm or Individual name	Stephen C. Glazier (Registration No. 31,361) Kirkpatrick & Lockhart LLP
Signature	
Date	23 AUG 05

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OIPE  
AUG 25 2005  
U.S. TRADEMARK OFFICE  
SAC

# FEE TRANSMITTAL for FY 2005

Effective 10/01/2003. Patent fees are subject to annual revision.

 Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$ 100)

## Complete if Known

Patent Number	6,928,348
Issue Date	August 9, 2005
Patentee	LIGHTNER et al.
Attorney Docket No.	0307091.0158

## METHOD OF PAYMENT (check all that apply)

 Check  Credit card  Money  Other  None  
Order
 Deposit Account:

Deposit Account Number	50-1721
Deposit Account Name	Kirkpatrick & Lockhart LLP

## The Director is authorized to: (check all that apply)

- 
- Charge fee(s) indicated below
- 
- Credit any overpayments
- 
- 
- Charge any additional fee(s) during the pendency of this application
- 
- 
- Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.

## FEE CALCULATION

## 1. BASIC FILING FEE

Large Entity	Small Entity	Fee Description	Fee Paid
Fee Code (\$)	Fee Code (\$)		
1001 770	2001 385	Utility filing fee	
1002 340	2002 170	Design filing fee	
1003 530	2003 265	Plant filing fee	
1004 770	2004 385	Reissue filing fee	
1005 160	2005 80	Provisional filing fee	
SUBTOTAL (1)		(\$ 0)	

## 2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE

Total Claims	-20 **	=	0	X	18	=	0	
Independent Claims	0	-3 **	=	0	X	86	=	0
Multiple Dependent	0			X		=	0	

Large Entity	Small Entity	Fee Description
Fee Code (\$)	Fee Code (\$)	
1202 18	2202 9	Claims in excess of 20
1201 86	2201 43	Independent claims in excess of 3
1203 290	2203 145	Multiple dependent claim, if not paid
1204 86	2204 43	** Reissue independent claims over original patent
1205 18	2205 9	** Reissue claims in excess of 20 and over original patent
SUBTOTAL (2)		(\$ 0)

\*or number previously paid, if greater; For Reissues, see above

## 3. ADDITIONAL FEES

Large Entity	Small Entity	Fee Description	Fee Paid
Fee Code (\$)	Fee Code (\$)		
1051 130	2051 65	Surcharge - late filing fee or oath	
1052 50	2052 25	Surcharge - late provisional filing fee or cover sheet	
1053 130	1053 130	Non-English specification	
1812 2,520	1812 2,520	For filing a request for reexamination	
1804 920*	1804 920*	Requesting publication of SIR prior to Examiner action	
1805 1,840*	1805 1,840*	Requesting publication of SIR after Examiner action	
1251 110	2251 55	Extension for reply within first month	
1252 420	2252 210	Extension for reply within second month	
1253 950	2253 475	Extension for reply within third month	
1254 1,480	2254 740	Extension for reply within fourth month	
1255 2,010	2255 1,005	Extension for reply within fifth month	
1401 330	2401 165	Notice of Appeal	
1402 330	2402 165	Filing a brief in support of an appeal	
1403 290	2403 145	Request for oral hearing	
1451 1,510	1451 1,510	Petition to institute a public use proceeding	
1452 110	2452 55	Petition to revive – unavoidable	
1453 1,330	2453 665	Petition to revive – unintentional	
1501 1,400	2501	Utility issue fee (or reissue)	
1502 480	2502 240	Design issue fee	
1503 640	2503 320	Plant issue fee	
1460 130	1460 130	Petitions to the Commissioner	
1807 50	1807 50	Processing fee under 37 CFR 1.17 (q)	
1806 180	1806 180	Submission of Information Disclosure Stmt	
8021 40	8021 40	Recording each patent assignment per property (times number of properties)	
1809 770	2809 385	Filing a submission after final rejection (37 CFR § 1.129(a))	
1810 770	2810 385	For each additional invention to be examined (37 CFR § 1.129(b))	
1801 770	2801 385	Request for Continued Examination (RCE)	
1802 900	1802 900	Request for expedited examination of a design application	
Other fee (specify): Certificate of Correction Under 37 C.F.R. § 1.323		100	

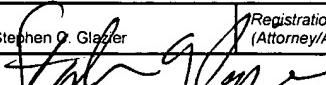
\*Reduced by Basic Filing Fee Paid

SUBTOTAL (3)

(\$ 100)

## SUBMITTED BY

Complete (if applicable)

Name (Print/Type)	Stephen O. Glazer	Registration No. (Attorney/Agent)	31,361	Telephone	202/778-9045
Signature		23 Aug 05	Date		

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

This collection of information is required by 37 CFR 1.17 and 1.27. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing this form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

16 30 2005

# FEE TRANSMITTAL for FY 2005

*OIPE*  
*AUG 25 2005*  
*PTO-854 (07-03)*  
*TRADEMARK OFFICE*

Effective 10/01/2003. Patent fees are subject to annual revision.

Applicant claims small entity status. See 37 CFR 1.27

**TOTAL AMOUNT OF PAYMENT** (\$ 100)

*Complete If Known*

Patent Number	6,928,348
Issue Date	August 9, 2005
Patentee	LIGHTNER et al.
Attorney Docket No.	0307091.0158

**METHOD OF PAYMENT (check all that apply)**

Check  Credit card  Money  Other  None  
Order

Deposit Account:

Deposit Account Number 50-1721

Deposit Account Name Kirkpatrick & Lockhart LLP

**The Director is authorized to: (check all that apply)**

- Charge fee(s) indicated below  Credit any overpayments  
 Charge any additional fee(s) during the pendency of this application  
 Charge fee(s) indicated below, except for the filing fee  
 to the above-identified deposit account.

**FEE CALCULATION**

**1. BASIC FILING FEE**

Large Entity		Small Entity		Fee Description	Fee Paid
Fee Code	Fee (\$)	Fee Code	Fee (\$)		
1001	770	2001	385	Utility filing fee	
1002	340	2002	170	Design filing fee	
1003	530	2003	265	Plant filing fee	
1004	770	2004	385	Reissue filing fee	
1005	160	2005	80	Provisional filing fee	
<b>SUBTOTAL (1)</b>		<b>(\$ 0)</b>			

**2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE**

Total Claims	0	-20 **	=	0	X	18	=	0	Fee from below	Fee Paid
Independent Claims	0	-3 **	=	0	X	86	=	0		
Multiple Dependent	0				X		=	0		

**Large Entity** **Small Entity**

Fee Code	Fee (\$)	Fee Code	Fee (\$)	Fee Description
1202	18	2202	9	Claims in excess of 20
1201	86	2201	43	Independent claims in excess of 3
1203	290	2203	145	Multiple dependent claim, if not paid
1204	86	2204	43	** Reissue independent claims over original patent
1205	18	2205	9	** Reissue claims in excess of 20 and over original patent
<b>SUBTOTAL (2)</b>		<b>(\$ 0)</b>		

\*or number previously paid, if greater; For Reissues, see above

**FEE CALCULATION (continued)**

**3. ADDITIONAL FEES**

Large Entity	Fee Code	Fee (\$)	Fee Code	Fee (\$)	Fee Description	Fee Paid
	1051	130	2051	65	Surcharge - late filing fee or oath	
	1052	50	2052	25	Surcharge - late provisional filing fee or cover sheet	
	1053	130	1053	130	Non-English specification	
	1812	2,520	1812	2,520	For filing a request for reexamination	
	1804	920*	1804	920*	Requesting publication of SIR prior to Examiner action	
	1805	1,840*	1805	1,840*	Requesting publication of SIR after Examiner action	
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	1255	2,010	2255	1,005	Extension for reply within fifth month	
	1401	330	2401	165	Notice of Appeal	
	1402	330	2402	165	Filing a brief in support of an appeal	
	1403	290	2403	145	Request for oral hearing	
	1451	1,510	1451	1,510	Petition to institute a public use proceeding	
	1452	110	2452	55	Petition to revive – unavoidable	
	1453	1,330	2453	665	Petition to revive – unintentional	
	1501	1,400	2501		Utility issue fee (or reissue)	
	1502	480	2502	240	Design issue fee	
	1503	640	2503	320	Plant issue fee	
	1460	130	1460	130	Petitions to the Commissioner	
	1807	50	1807	50	Processing fee under 37 CFR 1.17 (q)	
	1806	180	1806	180	Submission of Information Disclosure Stmt	
	8021	40	8021	40	Recording each patent assignment per property (times number of properties)	
	1809	770	2809	385	Filing a submission after final rejection (37 CFR § 1.129(a))	
	1810	770	2810	385	For each additional invention to be examined (37 CFR § 1.129(b))	
	1801	770	2801	385	Request for Continued Examination (RCE)	
	1802	900	1802	900	Request for expedited examination of a design application	
Other fee (specify): Certificate of Correction Under 37 C.F.R. § 1.323						100

\*Reduced by Basic Filing Fee Paid

**SUBTOTAL (3)** (\$ 100)

<b>SUBMITTED BY</b>		<b>Complete (if applicable)</b>		
Name (Print/Type)	Stephen C. Glazier	Registration No. (Attorney/Agent)	31,361	Telephone
Signature	<i>Stephen C. Glazier</i>		23 Aug 05	Date

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AUG 30 2005



PATENT  
ATTNY. DOCKET NO.: 0307091.0158

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

PATENT NO.: 6,928,348  
ISSUED: August 9, 2005  
PATENTEE: Lightner et al.  
FOR: INTERNET-BASED EMISSIONS TEST FOR VEHICLES

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Certificate of Correction Branch  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**REQUEST FOR CERTIFICATE OF CORRECTION OF PATENT**  
**UNDER 37 C.F.R. §1.323**

Sir:

Applicants request correction of the above-identified issued patent by certificate of correction. Attached, in duplicate, is Form PTO/SB/44, with at least one copy being suitable for printing.

The errors to be corrected are in Figure 3 of the drawings of the issued patent. Specifically, portions of Figure 3 are indiscernible due to printing and copying mistakes. Therefore, for the sake of clarity, applicants request that original Figure 3 in the issued patent be replaced by the clearer version of the figure depicted in attached Form PTO/SB/44. Applicants assert that the errors in the figure are a mistake of minor character, and the requested corrections do not involve changes which would constitute new matter or require reexamination, or otherwise materially affect the scope or meaning of the issued patent.

08/26/2005 BABRAHA1 00000004 6928348

01 FC:1811

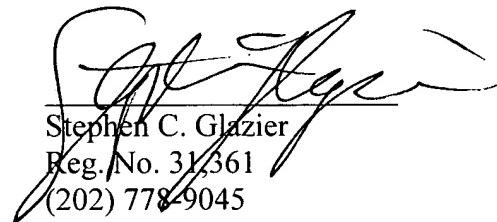
100.00 OP

Patent No.: 6,928,348  
Patentee: Lightner et al.  
Page 2 of 2

These errors were not the fault of the Office, and, therefore, the requisite fee set forth in 37 C.F.R. §1.20(a) is enclosed herewith. Please apply any additional charges or credits to Deposit Account No. 50-1721. Please send the certificate to the undersigned.

Respectfully submitted,

Date: 23 Aug 05



Stephen C. Glazier  
Reg. No. 31,361  
(202) 778-9045

KIRKPATRICK & LOCKHART NICHOLSON GRAHAM LLP  
1800 Massachusetts Ave., NW  
2nd Floor  
Washington, DC 20036  
(202) 778-9000  
Fax: (202) 778-9100  
sglazier@kl.com

AUG 30 2005

**UNITED STATES PATENT AND TRADEMARK OFFICE  
CERTIFICATE OF CORRECTION**

Page 1 of 1

PATENT NO. : 6,928,348

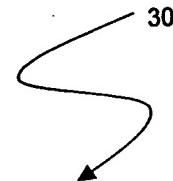
APPLICATION NO.: 10/615,516

ISSUE DATE : August 9, 2005

INVENTOR(S) : Lightner, et al.

It is certified that an error appears or errors appear in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

In the drawings, on Sheet 3, replace Figure 3 with the following version of the figure:



<u>Time/Date</u>	<u>Supported Tests</u>	<u>Status</u>
3/17/01 21:23	Misfire Monitoring	complete
	Fuel Systems Monitoring	complete
	Comprehensive Component Monitoring	complete
	Catalyst Monitoring	complete
	Evaporative System Monitoring	complete
	Oxygen Sensor Monitoring	complete
	Oxygen Sensor Heater Monitoring	complete
	EGR System Monitoring	complete
3/18/01 12:25		
32	34	36

Fig. 3

MAILING ADDRESS OF SENDER (Please do not use customer number below):

Stephen C. Glazier, Esq.

Kirkpatrick & Lockhart Nicholson Graham

1800 Mass. Avenue, N.W. - Second Floor Washington, DC 20036-1221

FIG 30 2003

**UNITED STATES PATENT AND TRADEMARK OFFICE**  
**CERTIFICATE OF CORRECTION**

Page 1 of 1

PATENT NO. : **6,928,348**

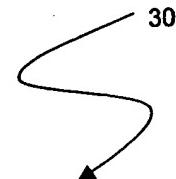
APPLICATION NO.: **10/615,516**

ISSUE DATE : **August 9, 2005**

INVENTOR(S) : **Lightner, et al.**

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<u>Time/Date</u>	<u>Supported Tests</u>	<u>Status</u>
3/17/01 21:23	Misfire Monitoring	complete
	Fuel Systems Monitoring	complete
	Comprehensive Component Monitoring	complete
	Catalyst Monitoring	complete
	Evaporative System Monitoring	complete
	Oxygen Sensor Monitoring	complete
	Oxygen Sensor Heater Monitoring	complete
	EGR System Monitoring	complete
3/18/01 12:25		
32	34	36

Fig. 3

MAILING ADDRESS OF SENDER (Please do not use customer number below):

Stephen C. Glazier, Esq.

Kirkpatrick & Lockhart Nicholson Graham

1800 Mass. Avenue, N.W. - Second Floor Washington, DC 20036-1221

AG 30 2005